

Attachment 9.f.2. Estimated Gang-Related Crime Cost Reductions

by Quarter and Moving Average, by Site

(calculations by M.Cohen using LAPD data supplied by M.Lyons)

Estimated by Quarter

Northeast

1.a. Estimated gang crime costs (primary target)

Coefficient and Confidence Interval for Program Effect

	Mean*	Lower	Upper
per quarter	-3.4	-9.7	2.8
# quarters	10	10	10
total crimes	-34	-97	28

tangible	\$	(1,207,629)	\$	(3,445,295)	\$	994,518
intangible	\$	(2,381,687)	\$	(6,794,812)	\$	1,961,389
total	\$	(3,589,316)	\$	(10,240,107)	\$	2,955,907

*Coefficient for primary area predicts less crime, but is not significant (p<.265)

2.a. Estimated gang crime costs (combined primary and secondary)

Coefficient and Confidence Interval for Program Effect

	Mean*	Lower	Upper
per quarter	-1.56	-11.53	8.42
# quarters	10	10	10
total crimes	-15.6	-115.3	84.2

tangible	\$	(554,089)	\$	(4,095,283)	\$	2,990,658
intangible	\$	(1,092,774)	\$	(8,076,720)	\$	5,898,177
total	\$	(1,646,863)	\$	(12,172,003)	\$	8,888,835

*Coefficient for combined areas predicts less crime, but is not significant (p<.746)

Note: coefficient for secondary area (1.9) predicts MORE crime, but is not signif. (p<.524)

Foothill

Foothill: no statistically significant crime reduction in either area

Note: model unable to explain crime patterns

Pacific

3.a. Estimated gang crime costs in Pacific (primary area)

Coefficient and Confidence Interval for Program Effect

	Mean	Lower	Upper
per quarter	-2.13	-11.84	7.58
# quarters	4	4	4
total crimes	-8.5	-47.4	30.3

tangible	\$	(302,618)	\$	(1,682,156)	\$	1,076,921
intangible	\$	(596,823)	\$	(3,317,550)	\$	2,123,904
total	\$	(899,440)	\$	(4,999,706)	\$	3,200,825

*Coefficient for primary area predicts less crime, but is not significant (p<.649)

4.a. Estimated gang crime costs in Pacific (combined)

Coefficient and Confidence Interval for Program Effect

	Mean*	Lower	Upper
per quarter	-5.64	-15.73	4.44
# quarters	4	4	4
total crimes	-22.6	-62.9	17.8

tangible	\$	(801,297)	\$	(2,234,824)	\$	630,809
intangible	\$	(1,580,319)	\$	(4,407,522)	\$	1,244,081
total	\$	(2,381,617)	\$	(6,642,346)	\$	1,874,890

*Coefficient for combined areas predicts less crime, but is not significant (p<.254)

Note: secondary area coefficient is significant: -3.51, p < .021

Estimated by Moving Average

Northeast

1.b. Estimated gang crime costs (primary target)

Coefficient and Confidence Interval for Program Effect

	Mean**	Lower	Upper
per quarter	-3.0	-5.8	-0.3
# quarters	10	10	10
total crimes	-30.3	-57.8	-2.9

tangible	\$	(1,075,963)	\$	(2,052,142)	\$	(102,980)
intangible	\$	(2,122,015)	\$	(4,047,236)	\$	(203,097)
total	\$	(3,197,978)	\$	(6,099,377)	\$	(306,077)

**Coefficient for primary area predicts significantly less crime (p<.032)

2.b. Estimated gang crime costs (combined)

Coefficient and Confidence Interval for Program Effect

	Mean**	Lower	Upper
per quarter	-4.919	-7.403	-2.435
# quarters	10	10	10
total crimes	-49.19	-74.03	-24.35

tangible	\$	(1,746,753)	\$	(2,628,830)	\$	(864,677)
intangible	\$	(3,444,948)	\$	(5,184,579)	\$	(1,705,316)
total	\$	(5,191,701)	\$	(7,813,409)	\$	(2,569,992)

**Coefficient for combined areas predicts significantly less crime (p<.002)

Note: coefficient for secondary area (-1.9) is not significant (p<.074)

Foothill

Foothill: no statistically significant crime reduction in either area

Note: model unable to explain crime patterns

Pacific

3.b. Estimated gang crime costs in Pacific (primary area)

Coefficient and Confidence Interval for Program Effect

	Mean	Lower	Upper
per quarter	-5.93	-11.52	-0.33
# quarters	4	4	4
total crimes	-23.7	-46.1	-1.3

tangible	\$	(841,788)	\$	(1,636,124)	\$	(47,453)
intangible	\$	(1,660,176)	\$	(3,226,765)	\$	(93,586)
total	\$	(2,501,964)	\$	(4,862,890)	\$	(141,039)

**Coefficient for primary area predicts significantly less crime (p<.039)

4.b. Estimated gang crime costs in Pacific (combined)

Coefficient and Confidence Interval for Program Effect

	Mean**	Lower	Upper
per quarter	-7.21	-12.41	-2.02
# quarters	4	4	4
total crimes	-28.9	-49.6	-8.1

tangible	\$	(1,024,780)	\$	(1,763,138)	\$	(286,421)
intangible	\$	(2,021,071)	\$	(3,477,263)	\$	(564,880)
total	\$	(3,045,851)	\$	(5,240,401)	\$	(851,301)

*Coefficient for combined areas predicts significantly less crime (p<.010)

Note: secondary area coefficient is not significant: -1.3, p < .064